2014 CDFW Climate College Lecture #6

Title: Climate Impacts to Pelagic Ecosystems

Speakers: Bill Sydeman, Farallon Institute

Bill Peterson, NOAA

Date: Thursday, June 5th, 2014

Time: 1:00PM – 3:00PM

Location: Sonoma County Water Agency, 404 Aviation Blvd, Santa Rosa, CA

WebEx: Lecture also available via WebEx. We encourage CDFW staff participating

remotely to watch the lectures together by reserving a conference room with DSL. The powerpoint presentation will be posted in advance to minimize interruption for

remote users due to WebEx or bandwidth complications.

Registration for Lecture #6

<u>CDFW STAFF CLICK HERE TO REGISTER</u> - Please register at least two days prior to the lecture.

<u>ALL OTHER PARTICIPANTS</u>: If you are not a CDFW staff member please provide your name, email address, organization, and if you intend to participate in-person or via WebEx.

Speakers:

Dr. Bill Sydeman:

Bill Sydeman's career exceeds three decades of ecological research. Starting as an intern marine ornithologist working on the Farallon Islands in 1981, Bill spent 15 years as the Director of Marine Ecology at PRBO Conservation Science before establishing the Farallon Institute. Bill obtained his Ph.D. in Ecology from the University of California, Davis. Bill has conducted a number of "plankton to predator" studies in the California Current large marine ecosystem, and has written about seabirds, marine mammals and various fish species. In recent papers, Bill described dramatic and abrupt ecosystem changes to climate variability (Sydeman et al. 2006, Sydeman et al. 2013). Bill serves on many scientific panels, notably as the Chair of the Advisory Panel for Marine Birds and Mammals for the North Pacific Marine Science Organization and Scientific Advisory Committee for implementation of the State of California's Marine Life Protection Act. Bill has presented to state and federal policy-makers on the effects of climate change on marine ecosystems, and how to best design and use the nation's new ocean observing systems.

Dr. Bill Peterson:

Bill Peterson has worked at NWFSC's Newport Field Station since September 1995. He came to Newport from NOAA Fisheries headquarters, where he served for three years as the Director of the U.S. GLOBEC Interagency Program Coordination Office. Prior to that, he worked in Monterey, CA with the National Ocean Service as a Supervisory Physical Scientist. In that role, he supervised the activities of 15 scientists associated with the Center for Ocean Analysis and

Prediction. Other areas where he has worked include the University of Cape Town in South Africa, the Sea Fisheries Research Institute in Cape Town, and as an assistant professor at the State University of New York at Stony Brook on Long Island, NY. Bill is probably best known for long-term ocean observations in that he and his staff have managed to sample the waters off Newport Oregon on a biweekly basis since 1996. This year marks the 19th year of these efforts. Bill's chief research interest is to study the effects of climate variability and change on zooplankton and pelagic fish populations (particularly juvenile salmonids) in the Northern California Current region. He also leads an active research program on euphausiid (krill) ecology and biology.

Bill is active in the PICES program as a member of the Biological Oceanography Committee and the "Status, Outlooks, Forecasts and Engagement" committee, a group interested in improving communication between scientists, policy makers, managers and the general public. He has helped organize many workshops on fisheries and climate change, and has served as a member of the Scientific Steering Committee for several international zooplankton and climate change symposia.

Bill serves on the editorial board of the Journal of Plankton Research and the advisory boards of the African Journal of Marine Science and the Editorial Board, TINRO-Centre Bulletin (Izvestya TINRO) and is a past anonymous referee with the Marine Ecology Progress Series. He is an adjunct professor of oceanography at the College of Oceanographic and Atmospheric Sciences at Oregon State University, serves on several Ph.D. committees and advises graduate students.

Optional additional webinars:

• U.S. Fish and Wildlife Service Climate Academy – archived webinars



ITEP is planning 2 **Tribal Climate Change Webinar Series** for this spring: 1) a 4-part webinar series, tentatively in March and April, will focus on impacts of climate change in the Pacific Northwest. We are

collaborating with Kathy Lynn at the University of Oregon and the USDA Forest Service Pacific Northwest Research Station and have received input from the Pacific Northwest Tribal Climate Change Network; and 2) a 4-part webinar series in May and June, intended for a national tribal audience, will focus on climate change impacts, traditional knowledge and climate change, and communicating about climate change. More information about the two webinar series will be available in the coming months.

The **Events page on the Tribes & Climate Change website** is in calendar format: www4.nau.edu/tribalclimatechange/events.asp.